

19990704.qrp v01_n508.qrl.990704

Date: Sun, 4 Jul 1999 19:03:13 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1508

QRP-L Digest 1508

Topics covered in this issue include:

- 1) [44226] HBR series
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- 2) [44227] Re: QRP Drake tr-4
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- 3) [44228] Re: HBR series
by George F Franklin <w0av@juno.com>
- 4) [44229] Re: K2 Backlog
by Dave Sjolin <sjolin@swbell.net>
- 5) [44230] Re: DK3 for fixed use
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 6) [44231] Cheap coax
by william h ross <k6mgo@juno.com>
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by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 8) [44233] SW+ or SST? Advice pse...
by "Joel Frederick Kluender" <nf9k@eudoramail.com>
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by "Thaire Bryant" <tbry37@ici.net>
- 11) [44236] Cheap coax...part 2
by "John F Marranca, Jr" <jmarran@juno.com>
- 12) [44237] Re: K2 Backlog
by Terry Bendell <terryb@bmts.com>
- 13) [44238] Re: QRP Drake tr-4
by Terry Bendell <terryb@bmts.com>
- 14) [44239] Re: QRP Drake tr-4
by david fouchey <dafouchey@home.com>
- 15) [44240] Cheap coax Part3
by Pete Burbank <plburbank@kih.net>
- 16) [44241] Sierra Power Modification
by DENNISMO@aol.com
- 17) [44242] re coax 3
by Pete Burbank <plburbank@kih.net>
- 18) [44243] Noise Problem
by "JUNIUS B FOX" <w5hir@ghg.net>
- 19) [44244] Ft. Tuthill aka AZ State Hamfest

- by jaywa5whn@juno.com
- 20) [44245] Wamt Ten Meter Wire Antenna Suggestions
by Dave Sjolin <sjolin@swbell.net>
 - 21) [44246] Hambrew Mag back issues
by Rod Davis <rdavis@abac.com>
 - 22) [44247] Disaster Strikes!
by Michael C Boatright <ko4wx@mindspring.com>
 - 23) [44248] QRP TR-4
by Terry Bendell <terryb@bmts.com>
 - 24) [44249] Re: Sierra Power Modification
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
 - 25) [44250] connectors for cable tv scraps
by Niel Skousen <skousen@srv.net>
 - 26) [44251] ATTN: WA5WHN
by tom whalen <wb5qyt@eFortress.com>
 - 27) [44252] FS
by tom whalen <wb5qyt@eFortress.com>
 - 28) [44253] Good Transistor Data Book???
by James P Rybak <jrybak@mesastate.edu>
 - 29) [44254] WTB CW Keyboard
by pierce@rice.edu (George F. Pierce)
 - 30) [44255] FS: TenTec QRP Station
by Bill Robbins <billrobb@net-link.net>
 - 31) [44256] Re: Wamt Ten Meter Wire Antenna Suggestions
by Stan Goldstein <stan@cruzio.com>
 - 32) [44257] MNB-01 My Conclusion
by John R Kirby <n3aaz-qrp@juno.com>
 - 33) [44258] Re: Good Transistor Data Book???
by Michael Melland <badger@vbe.com>
 - 34) [44259] MI QRP Club Sprint
by malman@world.std.com (Joel Malman)
 - 35) [44260] NOGQ QRP Field Day Photos and Report up on our web page
by Michael C Boatright <ko4wx@mindspring.com>
 - 36) [44261] SST vs. SW+/DSW
by "Joel Frederick Kluender" <nf9k@eudoramail.com>
 - 37) [44262] 706 Tune Control?
by Bob Patten <n4bp@bc.seflin.org>
 - 38) [44263] Help on selecting Battery Testers / Chargers
by George Huston <hudog@sparc.isl.net>
 - 39) [44264] Re: Wamt Ten Meter Wire Antenna Suggestions
by Russ Dow <n7dw@garlic.com>
 - 40) [44265] Re: Wamt Ten Meter Wire Antenna Suggestions
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
 - 41) [44266] Hey, it was a QSO, weren't it?
by Nils R Young <nilsbull@juno.com>
 - 42) [44267] Arrrrgh -- fried Freq mite need help --long
by "Terry Bassett" <mutabut@net66.com>
 - 43) [44268] Re: Disaster Strikes!

by "Steve Yates, AA5TB" <aa5tb@swbell.net>

Date: Sat, 03 Jul 1999 20:36:39 -0700
From: "C. Lamar Derk" <n3at@noln.com>
To: qrp-l@Lehigh.edu
Subject: [44226] HBR series
Message-ID: <377ED6C6.65F32BB6@noln.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The article on this list this morning re the HBR receiver brought back a lot of fond memories. I purchased my first HBR receiver from a friend - it was the HBR 16 - had a total of 16 tubes in it, and sometime later Ted Vrosby designed the HBR 11 that did basically what the 16 had done, but it was smaller. (The "16" had one of those 19 inch front panels that would fiit in a large rack. I had the privilege of building the HBR 11 from Ted's articles in QST, and I can vouch or the fact that it was one hot receiver!

Several friends who stopped at the shack to see it would not believe that it did not have filters. The design was beautiful. Those were the "good old days", and that was one good receiver.

72 de n3at

Date: Sat, 3 Jul 1999 17:49:50 -0700 (PDT)
From: Craig LaBarge <wb3gck@yahoo.com>
To: qrp-l-mailing-list <qrp-l@lehigh.edu>
Subject: [44227] Re: QRP Drake tr-4
Message-ID: <19990704004950.2972.rocketmail@web702.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Terry:

I ran a TR-4 at QRP levels for a couple of years. Great rig. I was always getting compliments on how nice the CW tone sounded. The finals were intact, so I was just running it in CW with the drive turned down. I was probably putting more power into heating the finals than I was putting into the antenna, though! :-)

73, Craig WB3GCK

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sat, 3 Jul 1999 19:59:02 -0500
From: George F Franklin <w0av@juno.com>
To: n3at@noln.com
Cc: qrp-1@Lehigh.EDU
Subject: [44228] Re: HBR series
Message-ID: <19990703.195902.-306603.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I built an HBR16 RX from the QST article back about 1956 or so and housed its 19" panel in a Bud cabinet which weighed about 30 pounds empty!

It was a great receiver, using 85 KHz. IF transformers from surplus command sets and a large Millen dial. The homebrew nameplate showed (my) SN 1001.

Thanks for the memories.

de George/W0AV

Date: Sat, 03 Jul 1999 20:17:29 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: terryb@bmts.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [44229] Re: K2 Backlog
Message-ID: <377EB629.ACB19980@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Terry Bendell wrote:

>
> On 1999-07-03 w6toy@erols.com said:
> >Jeff, and gang,
> >I don't want to crap on your parade, but why must we look/listen to
> >all your WElecrafft miseries? Elecraft, regardless of their
>
> Really? If Elecraft is using this reflector to promote it's
> rig and others are using it to endorse Elecraft I find it completely
> within my "Need to Know" especially since qrp craftsman are very rare
> and most of us have a vested interest in providing positive feedback
> to them. Try getting Yaesu or Kenwood to listen to your comments
> or concerns in a public forum. Don't worry about crapping on the
> Parade, we just FLUSH and it's gone...

Terry, I doubt Bruce was saying anything about using qrp-L for feedback on the K2. What I took him to suggest was if someone really wants to know where they are on the shipping list, they should ask Elecraft. Xmas i'snt going to come any faster because of their incessant whinning and I like Bruce am tired of it.

73 de Dave, N0IT

Date: Wed, 30 Jun 1999 11:36:35 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: foxes@theriver.com, qrp-l@lehigh.edu
Subject: [44230] Re: DK3 for fixed use
Message-ID: <377A55A3.C583B363@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I don't have a DK3 mobile antenna however I think it may work similarly to the old Swantenna Model 55 which was a motor driven center loaded antenna. Worked quite well - compared to my bugcatcher

I noticed not much difference. What I did was to use a counterpoise

or tuned radial system similar to that used by any vertical and it should work quite well. Depends where you have it mounted, heighth, surrounding objects, etc.

gl\

73

Ray

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, OOTC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Sat, 3 Jul 1999 18:44:28 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-1@Lehigh.EDU
Cc: mobile-portable@qsl.net, antennas@qsl.net
Subject: [44231] Cheap coax
Message-ID: <19990703.184429.-142983.1.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Question: When is a bargain not a bargain?

Answer: When you buy cheap coax at a swap meet and find out that the
reason nobody can hear you is that half of your power output is going to
heat up your coax.

Just came back from a 3000 mile trip in which my mobile rig was working,
but, just barely. I am used to getting very good signal reports from my
mobile setup. This time I kept getting "can't hear you in there, but,
can't hear you over the noise".

Why is it we will gladly spent a kilo buck or more for a rig, \$300 for an
antenna, and then, when it comes to coax, we try to save 5 or 10 bucks?

After tearing apart my screwdriver antenna several times, finally changed
the coax, and now it is working like it did before.

No more swap meet coax for this ham.

73/72

Bill, K6MGO

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sat, 03 Jul 1999 21:03:51 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: dbullard@negia.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [44232] Re: Choosing Keyboard for keybrd. keyer
Message-ID: <377EB2F5.A720040D@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

While he was at Dayton, Ed Miller KC4MHM bought me a miniature keyboard that was originally designed for the Psion hand held computer. Used it for the first time on FD. Worked great. It will become an integral part fo my QRP setup. Both Mendelson and Gateway were selling them for \$10. Sri I didn't buy more. Since the keyboard was designed for a handheld computer, I feel pretty certain that the current drain is not too low. Don't have exact number.

Henry

Date: Sat, 03 Jul 1999 21:14:08 -0500
From: "Joel Frederick Kluender" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu
Subject: [44233] SW+ or SST? Advice pse...
Message-ID: <KCGKBAHFNJABAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings all,

I'm "new again" to this list, back after being off for a while due to other responsibilities on the home front preventing me from reading my mail.

I'd like some advice. My father (also a ham, KA9TTA) and I are planning a trip to the mountains of Montana next summer to do some trout fishing. The prospect of this trip has rekindled my desire to get a power-efficient, compact QRP field station put together.

I've done a little reasearch and have decided that either the SW+ series from SWL or the SST from Wilderness would fit the bill. I'd like to poll y'all for answers to the following...

- (a) which of these rigs do you recommend, and why?
- (b) which band might work best for a mix of day and night qrp operation? 20 is my favorite QRO band, 30 is lots of fun, and 40 is the old qrp-standby. Any thoughts?
- (c) have I overlooked any good candidates for low-current-drain kits?

Please respond directly to me so we don't have to clutter people's mailboxes with replies. I'm sure these types of questions have been hashed out on this list many times. I just haven't been around to hear the comments.

72,
Joel NF9K

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Date: Sat, 03 Jul 1999 21:25:35 -0500
From: Stan Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Subject: [44234] Need mfr source for dual MOSFET
Message-ID: <377EC61F.1569@crl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone still make small signal dual gate MOSFET ? Like the 40673 or the old 3Nxxx series of transistors ?
Thanks, Stan ak0b

Date: Sat, 3 Jul 1999 23:15:00 -0400
From: "Thaire Bryant" <tbry37@ici.net>
To: <qrp-l@lehigh.edu>
Subject: [44235] Capacitor help
Message-ID: <199907040317.XAA19055@bajor.ici.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For a fellow amateur in Sri Lanka (4S7EA),
I am looking for : 150uf/450v electrolytic
capacitor. Any ideas on where to find one?

Thanks & 73

Thaire W2APF

Date: Sat, 3 Jul 1999 23:17:25 -0400
From: "John F Marranca, Jr" <jmarran@juno.com>
To: qrp-1@lehigh.edu
Subject: [44236] Cheap coax...part 2
Message-ID: <19990703.231734.-122921.1.JMarran@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I read the message pertaining to this subject. I can commiserate with the original writer, and relay the same story: I bought an antenna at the Rochester, New York Hamfest back in 1993. It was a dipole kit, that contained in it 100 feet of blue jacketed 50 ohm (assumably) coax. The antenna went together as expected, but after a summer's worth of the elements, the performance degraded. Upon replacing the blue coax with some good RG-8, it performed as it did when new.

A while later at another hamfest, was a vendor who was selling this same coax at the "sweetheart" price of \$.04 per foot. I guess the old adage applies here of "you get what you pay for".

73's and Happy Independence Day to all.....

John Marranca, Jr KB2HSH
Buffalo, NY

Date: Sun, 04 Jul 1999 11:17:10 +500
From: Terry Bendell <terryb@bmts.com>
To: <qrp-1@Lehigh.EDU>
Subject: [44237] Re: K2 Backlog
Message-ID: <199907040324.XAA29864@Alice.BMTS.Com>
MIME-Version: 1.0

On 1999-07-03 sjolin@swbell.net said:

>Terry, I doubt Bruce was saying anything about using qrp-L for
>feedback on the K2. What I took him to suggest was if someone
>really wants to know where they are on the shipping list, they
>should ask Elecraft. Xmas i'snt going to come any faster because of
>their incessant whinning and I like Bruce am tired of it.
>73 de Dave, N0IT

Oh Ok Dave, lets see if I get this straight, your whining about people
who whining about elecraft k2 shipments?

I love to see customer service in action, its just sooo rare these days!
long live the whiners and complainers the real movers and shakers of
democracy!

:^)

73 de Terry, VE3TKB

Date: Sun, 04 Jul 1999 11:28:18 +500
From: Terry Bendell <terryb@bmts.com>
To: <wb3gck@yahoo.com>
Cc: <qrp-l@Lehigh.EDU>
Subject: [44238] Re: QRP Drake tr-4
Message-ID: <199907040335.XAA01131@Alice.BMTS.Com>
MIME-Version: 1.0

Thats sure the truth Craig!

But my reason is strictly that I am too cheap to bother dumping bucks
into the old klunker! A good friend of mine has one of these tr-4
flame throwers at his qth and swears by them. Me I just swear at him
as he lives two blocks from me!

I have been trying (with no luck) to get him into QRP, Pointing out
his savings in Hydro and tubes plus the improved relationship with
the neighbours and what not.

Going to Save up for a K2, seems to be the best rig for qrp in my
books for the dollars/features factor. Of course the excellent support
and testimonials here have swayed me.

73 and Happy July 4th there Yank!

Terry ve3tkb@amsat.org

On 1999-07-03 wb3gck@yahoo.com said:

>Terry:

>I ran a TR-4 at QRP levels for a couple of years.

>Great rig. I was always getting compliments on how

>nice the CW tone sounded. The finals were intact, so

>I was just running it in CW with the drive turned

>downed. I was probably putting more power into

>heating the finals than I was putting into the

>antenna, though! :-)

>73, Craig WB3GCK

Date: Sat, 03 Jul 1999 23:49:38 -0400

From: david fouchey <dafouchey@home.com>

To: terryb@bmts.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [44239] Re: QRP Drake tr-4

Message-ID: <377ED9D2.CA895E3E@home.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Kind of reminds me of when I was first licensed, there I was a lowly novice with a rock bound 35 watt home brew transmitter on 7.196 and two doors down and across the street lived a good friend and General Class ticker holder WA8ZBQ, Carl one block over was another good friend who got HIS ticket a week after mine Gerard WN8BDR/WB8BDR...When All of us got on the air at the same time it was a bit problematic, and after I got my Advanced and cranked up the Viking Valiant I borrowed to max power (Why is it that Novices when they first get their higher class license Immediately jump for as much power as possible?) it REALY got crowded on 40 meters...

Dave WA4EMR/8 Ex WN8AXG/WB8AXG

Terry Bendell wrote:

>

> Thats sure the truth Craig!

> But my reason is strictly that I am too cheap to bother dumping bucks

> into the old klunker! A good friend of mine has one of these tr-4

> flame throwers at his qth and swears by them. Me I just swear at him

> as he lives two blocks from me!
> I have been trying (with no luck) to get him into QRP, Pointing out
> his savings in Hydro and tubes plus the improved relationship with
> the neighbours and what not.
>
> Going to Save up for a K2, seems to be the best rig for qrp in my
> books for the dollars/features factor. Of course the excellent support
> and testimonials here have swayed me.
>
> 73 and Happy July 4th there Yank!
>
> Terry ve3tkb@amsat.org
>
> On 1999-07-03 wb3gck@yahoo.com said:
> >Terry:
> >I ran a TR-4 at QRP levels for a couple of years.
> >Great rig. I was always getting compliments on how
> >nice the CW tone sounded. The finals were intact, so
> >I was just running it in CW with the drive turned
> >downed. I was probably putting more power into
> >heating the finals than I was putting into the
> >antenna, though! :-)
> >73, Craig WB3GCK

Date: Sun, 04 Jul 1999 00:48:11 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [44240] Cheap coax Part3
Message-ID: <3.0.32.19990704004808.00706a58@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Right...Stay away from cheap coax.
This has probably been said before but so what.
The stuff from R-S is really decent for HF work. RG-8X i think.
Get the right fittings...usually PL-259 with reducer.
Do it yourself...don't trust some charletan (sp?) with your final
transistors.
Putting on PL-259s is odious at best but like many things in life
is soon finished.
Study the dimensions in the ARRL handbook...you do have a handbook of
course.
De-grease everything after cutting to the right dimensions.
Slow down and put the collar on first and do a quick overhand knot
so the buggger does not fall to the floor while you concentrate on
the rest of it. Maybe a quick swipe on the reducer with some clean

sandpaper...

The Key to the final soldering is an iron or gun that is hot enough and small enough to solder in the 3 holes without getting solder in the threads.

A final check with an ohmmeter or megger for continuity and braid to inner conductor is quick compared to replacing your output stuff.

I'm still working on making the nice rounded end like those wonderful women did in WWII.

All the best to all on the 4th

"I'm a Yankee Doodle Dandy...." George Cohen

73 Pete NV4V

Date: Sun, 4 Jul 1999 01:04:30 EDT
From: DENNISMO@aol.com
To: qrp-1@lehigh.edu
Subject: [44241] Sierra Power Modification
Message-ID: <64dfec02.24b0455e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Gang -

Can someone tell me or point me to where I can learn more about the Power Mod. for the Wilderness Sierra. I'd like to get a little more out of mine. Currently here is what I get from my rig/modules:

40M - 4.0w
30M - 3.5w
20M - 2.5w
15M - 0.6w

The modules have been tuned and retuned. I can live with 3-4 watts but sure would like to up the 20M & 15M to that level.

TIA -

72 de Denny AD6EZ<><

Date: Sun, 04 Jul 1999 01:16:28 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>

Subject: [44242] re coax 3
Message-ID: <3.0.32.19990704011624.006e3bac@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sri...Yankee Doodle Dandy is by George M. Cohan b4 the spelling
police get upset,
Mea Culpa
Pete Nv4v vvvvvvvv

Date: Sun, 4 Jul 1999 08:36:32 -0500
From: "JUNIUS B FOX" <w5hir@ghg.net>
To: <qrp-1@lehigh.edu>
Subject: [44243] Noise Problem
Message-ID: <000f01bec622\$be7244a0\$04000005@ghg>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been chasing down noise from my computer into the receiver.
\$19.00 bux fixed most of the problem with a triple shielded Monitor cable.
However,
there still remains a real noise on 14mhz which is coming from my modem.
Question: Is there a filter on the market that will take care of this? I
have tried the Ferrite clip-on to cure it, with no effect. If there is no
filter commercially, then has anyone an idea of one I can build.

Thanks for any help I can get,

Foxy W5hir@ghg.net

Ve get too soon old und too late shmart!

Date: Sun, 4 Jul 1999 12:12:40 -0600
From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [44244] Ft. Tuthill aka AZ State Hamfest
Message-ID: <19990704.121244.-804009.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

As my compadre {NA5N} down south had so eloquently stated, you should plan on attending this event.

It is a 4.75 hours drive from Albuquerque to Flagstaff on I-40, with a fuel stop in Gallup, NM & a yogurt cone stop in Winslow, AZ.

WB5LYJ & I usually arrive early Saturday morning, and set up our tent, in the daylight. We will be returning from the cool country {Glacier Park, Montana} & visiting with VE5RC and the QRP crew at the Glacier - Waterton Hamfest. WOW! 2 Hamfests in one week.

This year, we will have a visitor from the far east in the AZ QRP campground. Well, he is no stranger to this part of the country. I used to know him when his callsign was K07I, from Phoenix. Everyone else knows him as NN1G from Newington, Ct. Welcome home Dave.

I had even heard some of the Colorado QRPers will be leaving the high country to visit with us lowlanders in AZ. ;-) A who's who from California will be showing up too. The QRP sessions are first class.

Who is going to administer the AZ citizenship oath to the latest AZ immigrant? {K5F0} We will need a Texan translator.

This is an event where there are all kinds of QRP xcvrs & test equipment set up on tree stumps, chairs, portable tables with all sorts of QRP sounds radiating from the campground and all kinds of antennas growing in the 40+ feet high pine trees @ 7,000 feet asl. I had even heard an alleged HT radiating audio from one of the out houses in Ft. Tuthill. Talk in is 146.46 MHz FM simplex {QRP campground}.

You can walk to the new equipment booths in the hay barn or roam around the vendors & tables set up about 40 yards east of the QRP campground. It's all within walking distance. Last years Hamfest attendance was around 7,000 people.

This will be my third year in the QRP campground, and the AZ Crew sure make you feel at home. I had the trash detail last year. ;-) See, just like at home. Last year it was beans, steak, hot dogs, beans, potato salad, beans plus a whole 'nuther set of fixings that were inhaled. Not much talking but a whole lot of hmmmmm hmmmmm good. The AZ crew are a nice bunch of people. Makes you wonder why they allow those of us east of Window Rock, AZ and west of the Pecos in. ;-)

The campfire session is where we find out who had the 3 helpings of beans & pop tarts. ;-) Bring your new ideas to this session.

If WB5QYT packs his antenna launching spud cannon, we can get AB7TT out of the trees. Hey Joe, INCOMING TATORS! ;-)

Set your GPS receivers to the following;

35 degrees 08.472 minutes N
111 degrees 41.775 minutes W
(WGS-84 datum)

We will see some of you in Ft. Tuthill, AZ on July 24 & 25.

72...Jay, WA5WHN DM65qd Albuquerque, NM USA

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 04 Jul 1999 11:45:42 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [44245] Want Ten Meter Wire Antenna Suggestions
Message-ID: <377F8FB6.B78442A@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I currently use an R5 vertical for working dx on ten meters. While it does have a low angle of radiation which favors long haul dx, it tends to pick up a lot of noise and the suburban neighborhood is very noisy.

A number of times, I have had to resort to switching to another antenna on receive in order to work some of the rarer dxpeditions that I couldn't hear on the R5 but were perfectly q5 on a Butternut HF2V (80/40 meter vertical antenna).

Many times I have heard others say that a good horizontal wire up in the air will beat out most verticals (especially the ground mounted types) most of the time. Well I haven't had a horizontal antenna since the 60's

and my memory isnt so good. :-)

Well I cant put up a beam so what should I shot for? A delta loop, half square, California Windom? Slopers? I have a few trees for support but they are not all that high. Maybe could get wire up 25 feet. Im leaning towards the loop or slopers. Any suggestions?

Thanks amd 73
de Dave, N0IT

Date: Sun, 04 Jul 1999 10:43:48 -0700
From: Rod Davis <rdavis@abac.com>
To: QRP L <qrp-l@lehigh.EDU>
Subject: [44246] Hambrew Mag back issues
Message-ID: <377F9D54.58C2DDE4@abac.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All,

Are Hambrew back issues available on the web, or on a CD?

Thanks,

Rod KM6SN

Date: Sun, 04 Jul 1999 12:10:56 -0400
From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [44247] Disaster Strikes!
Message-ID: <377F8790.880249EF@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

To everyone that's been waiting with baited breath for the NOGA Field Day photos on our web page, please accept my apologies. Hope to have them up today. This year's Field Day really wiped me out. I guess the normal stresses of Field Day--no sleep, bugs and alligators (ops with big mouths and no ears) would do anyone in, but the added stress of

almost losing my tent in a storm, and buckets of rain really wiped me out. I didn't make it on the NOGA net Tuesday night, because I went to bed at 7:30pm!

Yesterday was spent putting together a VFO, for a possible little rig for the Spartan Sprint Monday night. Got it working pretty well, but still have some work to do. Doubt I'll have it ready for Monday.

So, since I still haven't put my shack back together from last weekend, I put my Index QRP+ up on my work table and hooked it up to the big battery (48Ah--8Ah to keep 2 QRP rigs on the air for 24 hours and 40 for the 2 computers!) we used last weekend (that had been charging all day). No problem. Got the VFO working, put it in a box, etc. Then my wife and I had dinner and went to a movie.

I got back around 9:30pm, walked the dogs, and finally sat back down to the VFO about 10:00pm. Suddenly, disaster struck. Smoke started pouring out of the Index. We're not talking a puff, we're talking SERIOUS SMOKE! The rig was ON FIRE (and we're not talking about 20M being hot!!)

Oh my, God! I yanked the power plug out and the smoke sorta stopped, as

I began a long, low moan. My Index was fried! I checked the fuse, and it hadn't blown--what on earth was wrong with my rig?

Well, by this point, the smoke had abated, so I cleaned off a place on the bench and took off the cover. Check out <http://www.qsl.net/ko4wx/projects/IndexRepair/>.

The power plug had shorted to the ground wire, which was wrapped around the red wire coming from the fuse. The two wires are twisted together and run the length of the radio to the front. The ground wire ties to ground about the middle of the front of the rig and the red wire runs to the power switch.

I bought this rig used, but it looks like the black and red twisted wire is standard in this rig. Can anyone confirm? If so, this can be VERY dangerous, as the ground wire is NOT fused, and makes A LOT OF SMOKE when its insulation burns.

The black wire had completely melted, however, for the most part, the positive, red wire was intact. I decided to replace all the wires, for good measure. Spent about half an hour retrieving the screw that connects the ground wire to the chassis that got stuck under the S-meter. Carefully Ohmed out all the wires to make sure there were no shorts.

I have no clue how the +12V on the power connector shorted to ground. It didn't look like any wires had worked loose or anything. Thank God that was the ONLY thing wrong. Thank God even more that it decided to catch fire when I was sitting at the table, instead of during the movie or when I was out with the dogs.

I guess the moral of the story is, NEVER HOOK UP A RIG TO A BATTERY UNLESS ITS SUPPLY LINE IS FUSED--EVEN IF THE RIG HAS A BUILT IN FUSE. Sam, AE4GX, and I both agreed the other day (at Field Day) that we don't like those in-line fuses, but they would have saved me a lot of trouble tonight (BTW, I used in-line fuses when trying out the rig after the repair job).

I gotta say THANKS to everyone on the "L", for all you've helped me learn about construction and electronics. It was just a few short months ago that I would have been way too intimidated to dig into the Index rig and make a repair, and although it's got a lot packed into such a little space, it wasn't quite so intimidating last night.

But I gotta say that seeing smoke pouring out of your favorite rig gives you a pretty crummy feeling in your gut...

72 & Happy 4th to all de Mike, K04WX

--

Mike Boatright, K04WX
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Mon, 05 Jul 1999 01:54:22 +500
From: Terry Bendell <terryb@bmts.com>
To: <qrp-1@Lehigh.edu>
Subject: [44248] QRP TR-4
Message-ID: <199907041800.0AA01083@Alice.BMTS.Com>
MIME-Version: 1.0

I can imagine how much fun that would have been! Sorta like a multiop multistation single band field day setup! Its funny you know, ten years ago I was doing a demo for a local Public School, took my trusty HW-7 with me, first contact was on 40 with a ham across town, he was complaining he couldnt hear me and to qro. Next contact was with a nice fellow in New England, the local ham followed me to the freq and he couldn't hear this guy as well. I was very pleased to exchange qsl info with him and he promised to qsl to the school. The kids were pretty impressed. DC Rigs may not be that great at seperating signals but give them a fairly clear few khz, batteries (no AC Power supply) and they can still perform very well even with simple antennas. For me qrp has become my mainstay in Ham Radio when operating HF, I don't often contest or get serious but I do love to tinker and build, operating low power seems to make more sense to me then running 100 + watts all the time. Oh, and I went back to that same school a couple of months ago, the kids didnt care about my demo, they all have cellphones and beepers now. A pity, they will never know that magic Radio can provide and the great fraternity (sp?) of qrp ham radio operators. Guess I will have to try the AMSAT/Digital approach next time I try.sigh... 73

Terry

On 1999-07-03 dafouchey@home.com said:

>WN8BDR/WB8BDR...When All of us got on the air at the same time it
>was a bit problematic, and after I got my Advanced and cranked up
>the Viking Valiant I borrowed to max power (Why is it that Novices
>when they first get their higher class license Immediately jump for
>as much power as possible?) it REALLY got crowded on 40 meters...
>Dave WA4EMR/8 Ex WN8AXG/WB8AXG

Date: Sun, 4 Jul 1999 10:42:46 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: <DENNISMO@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [44249] Re: Sierra Power Modification
Message-ID: <009801bec601\$9c52eda0\$6ceb5cc3@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Try my web page - new additions

...

Frank G3YCC G QRP 042, G QRP Sales Officer.

QRP web page <http://www.karoo.co.uk/g3ycc/>

----- Original Message -----

From: <DENNISMO@aol.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, July 04, 1999 6:04 AM

Subject: Sierra Power Modification

> Hey Gang -

>

> Can someone tell me or point me to where I can learn more about the Power
> Mod. for the Wilderness Sierra. I'd like to get a little more out of
mine.

> Currently here is what I get from my rig/modules:

>

> 40M - 4.0w

> 30M - 3.5w

> 20M - 2.5w

> 15M - 0.6w

>

> The modules have been tuned and retuned. I can live with 3-4 watts but
sure

> would like to up the 20M & 15M to that level.

>

> TIA -

>

> 72 de Denny AD6EZ<><

>

Date: Sun, 4 Jul 1999 08:15:11 -0600

From: Niel Skousen <skousen@srv.net>

To: qrp-l@lehigh.edu

Subject: [44250] connectors for cable tv scraps

Message-ID: <v04003a01b3a51c3acd3c@[12.7.217.135]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi Gang, got a couple nice pieces of cable TV spool ends (type 625, and 875). Any 'hints and kinks' on which standard connectors and how to install ? Also, how to splice ?

I'm not about to buy the 'recommended' connector kits at \$50+ per end !!

TNX Niel

Niel Skousen : WA7SSA skousen@srv.net
Idaho Falls, ID QRP-L.119 fr DN33wm

Date: Sun, 04 Jul 1999 10:53:05 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [44251] ATTN: WA5WHN
Message-ID: <377F9171.184C@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jay, your email address keeps bouncing. Maybe I have it wrong but
thought it was wa5whn@juno.com? Got your email this am, and wanted to
reply, but no go..

72, Tom WB5QYT

Date: Sun, 04 Jul 1999 11:01:38 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [44252] FS
Message-ID: <377F9372.5E36@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's,

Need some kit money, so the following gear is for sale.

1. HTX-100 Radio Shack 10 meter ssb/cw xcvr. 22w hi and 1.5w low
power. 155 bux and shipped CONUS
2. NC20 contents never opened, as received from the USPS and shipped in

the same box...105 bux shipped CONUS

3. MFJ Versa Tuner 11 model 949B....50 bux shipped CONUS

4. OHR Spirit SP-1 40m xcvr. Rcvr fb, xmit has a slight intermittent. Pwr level shifts from 3-5 watts. No time to work on it..built in keyer. Used as a Fox catcher last year. 75 bux shipped CONUS

More to come later...prefer money orders or bank drafts..

Thank you for the bandwidth...72, Tom WB5QYT

Date: Sun, 4 Jul 1999 12:36:07 -0600 (MDT)
From: James P Rybak <jrybak@mesastate.edu>
To: qrp-1@lehigh.edu
Subject: [44253] Good Transistor Data Book???
Message-ID: <Pine.OSF.4.10.9907041233490.19343-1000000@mesa7.mesa.colorado.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can someone please recommend to me a good tranisitor data book which currently is published or is only fairly recently out of print?

Thanks.

Jim Rybak W0KSD

Date: Sun, 4 Jul 1999 05:13:43 -0500
From: pierce@rice.edu (George F. Pierce)
To: qrp-1@lehigh.edu
Subject: [44254] WTB CW Keyboard
Message-ID: <v01510100b3a4e13f1248@[128.42.176.180]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I want to buy a cw keyboard asap. I have been using my KAM multimode and a laptop but need to go lighter/simpler/less current for field work. Please advise if you don't have one to sell, but have recomendations, or know of DOS software that I canuse with my simple (no hard disk) subnotebook and a

simple interface.

George F. Pierce III
WA5ABS M0B0D
Email: pierce@rice.edu

Date: Sun, 04 Jul 1999 08:40:17 -0400
From: Bill Robbins <billrobb@net-link.net>
To: qrp-1@Lehigh.EDU
Subject: [44255] FS: TenTec QRP Station
Message-ID: <3.0.6.32.19990704084017.007b82a0@serv01.net-link.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Guys:

I have for sale a very nice Ten Tec qrp station. It consists of the following:

PM-2B Transceiver
AC-4 SWR Meter
AC-4 Tuner
S-30 Signalizer

I will only sell it as a package. \$275 shipped CONUS

Bill

Date: Sun, 04 Jul 1999 13:14:32 -0700
From: Stan Goldstein <stan@cruzio.com>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [44256] Re: Wamt Ten Meter Wire Antenna Suggestions
Message-ID: <377FC0A8.2ED62182@cruzio.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave, My experience is that while some gain can be obtained with a loop of some type (the closer the loop resembles a circle, the more the gain, but the difference is minimal).

You have to go a long way to beat a dipole.

You can get your dipole up 25 feet that's roughly 1 wl high and should work well on 10 m. The loops height , however will average 4 feet lower which probably negates the gain of the larger capture area and be a lot more work to get up and maintain.

Stan ,N6XU

Dave Sjolín wrote:

>

> I currently use an R5 vertical for working dx on ten meters. While it
> does have a low angle of radiation which favors long haul dx, it tends
> to pick up a lot of noise and the suburban neighborhood is very noisy.

> Well I cant put up a beam so what should I shot for? A delta loop, half
> square, California Windom? Slopers? I have a few trees for support but
> they are not all that high. Maybe could get wire up 25 feet. Im leaning
> towards the loop or slopers. Any suggestions?

Date: Sun, 4 Jul 1999 07:34:38 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [44257] MNB-01 My Conclusion
Message-ID: <19990704.073554.-103987.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The modulated noise bridge (MNB)
measures X(L) and X(C) and R
using only an AM radio.

Original subject was
Spice and the Noise Bridge (here on qrp-l).

I promised closure, so
to those interested enjoy : -)
else (its a bit long) delete now ; -(

A block diagram and "QesD"
calibration procedure are enclosed.

My objective in a nut shell
a hardware project (the NB) that would reinforce
a software (SPICE) learning experience.

Conclusion in a nut shell
I am pleased,
both work like gang busters.

Software:

1) The free version of WinSpice3,
(suggested here on the list) works great,
has a lot of models to choose from and gets the job done.
Getting it up and running was not straight forward but
I "was" a newbie to SPICE.

2) The free Student version of Circuit Maker
(also suggested here on the list) does all the above
plus draw the schematic and
has a "component" sweep function.
I found the Help file and Tutorial very helpful.

3) Only the "bridge" and associated "legs" were evaluated,
I did not model the modulator.

3-1) Subjective? Yes. This WAS
my first ever PC SPICE rendezvous.

4) How does the modulator work?
Like gang busters!

Hardware:

1) My cost \$0.00 (built an entire, practical,
instrument from the bone yard).

2) I now own an impedance meter that tells me
the magnitude of reactance (XL or XC) and
the measure of the resistance (R) using
only an AM radio.

3) With in reason calibration
resolution and accuracy
can be as impressive
as one chooses.

Reason

1) The complete compensation and calibration
procedure is laborious (but doable),
it requires only an AM radio that tunes from

1.5 MHz to 30 MHz and a length of *GOOD*
RG-8 (a quarter wave at 10 MHz, about 20 feet).

2) I mentioned a "Quick and Dirty" Impedance meter
in some of the earlier posts. The MNB-01 described
here is quick and dirty from a calibration stand point.

3) Quick and Dirty calibration is a snap >IF< you...
make >Cs< approximately equal to >Cvar< / 2.
For example, if >Cvar< is a 365 pF tuning capacitor
from an old "five tube radio" make >Cs< 175 pF.

A few comments

1) The only test equipment used was a
VOM from Radio Shack.

2) The noise "source" is a
light emitting diode LED,
if it lights it works.

3) What lights the LED? The modulator.
The modulator frequency is not critical.

4) >Rvar< is the most critical component in the project.
>Rva< , a variable resistor, used to measure R,
must be mounted in such a way that
leads are as short as possible AND
the human hand has no affect while tuning
(both, from a stray capacitance position).

5) The "bridge" (heart of the circuit) is a transformer,
trifiler wound on a toroid. I wound and tried several
(powdered iron and ferrite) and all worked but
the Mini-Circuits (MCL) T4-1 works best.
The T4-1 is a 6-pin DIP (dual in-line package),
(similar to the common 741 DIP op-amp).

5-1) Gene,
<evhall@ix.netcom.com>
has given permission to join in this
group buy here on the list until 17July 99:
>Date: Mon, 28 Jun 1999 21:26:34 -0400<
>Subject: Minicircuits Group Buy ADE-1<

6) I only performed the compensation procedure
to the point of knowing it was doable using
the "gimmick" technique of pruning a capacitor.

7) I only performed the calibration procedure to the point of knowing it was doable (using junk coax "spliced" together (not RG-8)).

8) A schematic is in final stages (ASCII format only) and will be sent as promised.

9) An ASCII block diagram is attached.

10) The "QesD" calibration procedure is attached.

John
N3AAZ
FM19xa

MNB-01 QesD Calibration Procedure:

This (QesD) procedure calibrates the MNB-01 in ARBITRARY units not ABSOLUTE units.

Yes, it measures X(L) and X(C) and R and how much.

Yes, a published compensation and calibration procedure IS available and accurate to +/- 5% (apx.).

The QesD (Quick and Dirty) Method, also known as >kisj< (KEEP iT sIMPLE jOHN).

Note, nothing in this procedure is critical.

The value of Cs must be approximately one half the value of Cvar.

Rotate Cvar to the full meshed position (max C).

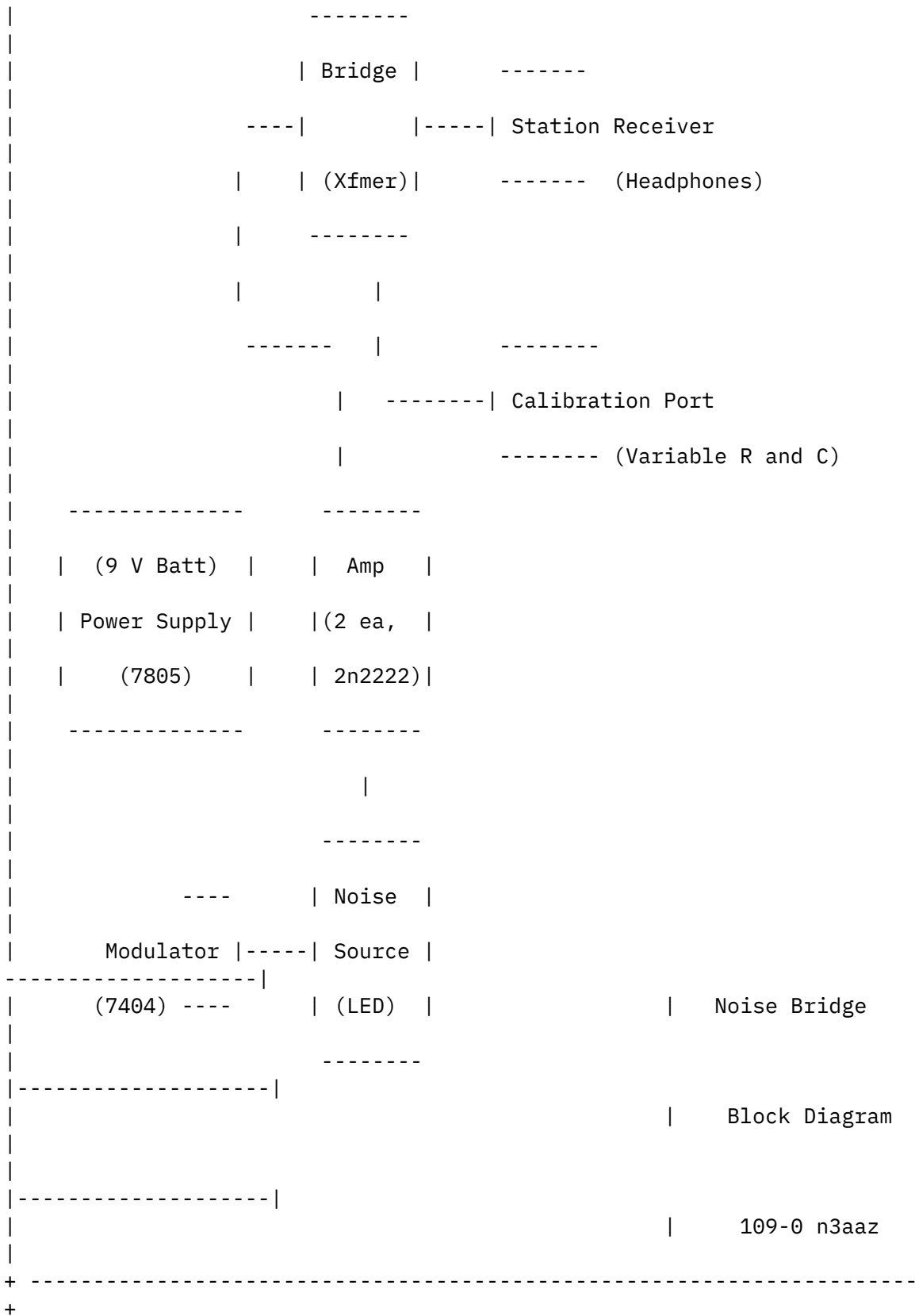
Install a knob with a pointer on the shaft of Cvar such that the pointer is at "3 o'clock" when Cvar is fully meshed.

Mark the front panel, >X(L) MAX<

Install a 50 Ohm non inductive resistor at the UNKNOWN port.

Install an AM radio at the RADIO port (tune to any frequency, 0.5 to 30 MHz).

"NULL" the bridge,
adjust Cvar AND Rvar until a null is heard in the radio,
Again, adjust Cvar and Rvar until a DEEPER, SHARPER (narrow) null is



END BD /jk

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Sun, 04 Jul 1999 15:56:55 -0500
From: Michael Melland <badger@vbe.com>
To: jrybak@mesastate.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [44258] Re: Good Transistor Data Book???
Message-ID: <377FCA97.414EC148@vbe.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

James P Rybak wrote:

> Can someone please recommend to me a good transistor data book which
> currently is published or is only fairly recently out of print?

I second this ! I got the new Motorola semiconductor RF application guides and there isn't a thing in them (all three volumes) I can't use (I also was given the Motorola manuals on CD). Only devices in it are surface mount components.

73 de Mike

--
Michael Melland, W9WIS
Winneconne, Wisconsin, USA
FISTS #4387, 10-10 #69281, QRP-L #1656,
QRP-ARCI #9875, AK/QRP #478, NorCal
CW, SSB, and Electronics
List Administrator: grundig@qth.net
<http://www.qsl.net/w9wis>

Date: Sun, 4 Jul 1999 17:25:06 -0400 (EDT)
From: malman@world.std.com (Joel Malman)
To: qrp-l@Lehigh.EDU
Subject: [44259] MI QRP Club Sprint

Message-ID: <199907042125.AA16814@world.std.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Folks... it's tonight 2300-0300z (7pm-11pm USA Eastern time).

MICHIGAN QRP CLUB
Contest and Sprint Rules

1999 contest dates are:

July 4th CW Sprint - Sunday 07/04/99 - 2300Z(Sun) to 0300Z(Mon)
(1900 to 2300 EDT Sunday).

All MI-QRP Club contests/sprints are run under the rules below.
All contests/sprints will be run on 160 thru 6 Meters (no WARC bands).
All amateurs are invited to participate.

CLASSES:

- * A - 250 milliwatts or less output.
- * B - One watt to 250 milliwatts output.
- * C - Five watts to one watt output.
- * D - Over five watts output.

EXCHANGE:

RST, QTH (State/Province/Country) and MI-QRP Membership Number (non-members send power-output).

SCORING:

Stations may be worked once per band for QSO points.
All member contacts are 5 points.
Non member contacts in W & VE are 2 points.
Non member DX contacts outside W & VE are 4 points.

Multiply total QSO Points, on all bands, by the total number of
States/Provinces/Countries worked on all bands for total points. U.S. &
Canada do not count as countries.

BONUS POINTS:

Total points may be multiplied by 1.25 for home brew RX or TX w/commercial
RX or TX combinations w/commercial RX or TX combinations. Multiply by 1.5
for a total homebrew station. Home brew = any kit or home made gear, it is
not necessary for you to have built it yourself.

Those using homebrew gear on some, but not all bands, may claim credit by listing the proper bonus points in each band's "BPTs" column on the score sheet, adding them up and dividing by the number of bands used. Enter the average (round to 2 decimal places) in the "Totals" row, under the "BPTs" column. I'll do this for you if you give me adequate rig info on each band.

AWARDS:

Certificates awarded by class for high score in each State/Province/Country.

A legible, chronological log is required. Please include your name, call, address, equipment description and Power output . Results will be printed in the next issue of The Five Watter. Final decision on any contest matters rest with the contest manager. E-mail logs are encouraged. E-Mail Logs to: n8cqa@tir.com

Mail logs to:

L. T. SWITZER N8CQA
654 GEORGIA AVENUE
MARYSVILLE MI 48040-1243

/joel K1QM Concord, MA
QRP-L 337, QRP-ARCI 9305

Date: Sun, 04 Jul 1999 17:30:27 -0400
From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [44260] NOGQ QRP Field Day Photos and Report up on our web page
Message-ID: <377FD273.EFA8ED4E@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
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Hey folks! Sorry for the delay. The NOGA QRP Field Day photos and report are now up on the web page: <http://www.qsl.net/nogaqrp>.

72 de Mike, K04WX

--
Mike Boatright, K04WX
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man
contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Sun, 04 Jul 1999 16:45:55 -0500
From: "Joel Frederick Kluender" <nf9k@eudoramail.com>
To: qrp-l@lehigh.edu
Subject: [44261] SST vs. SW+/DSW
Message-ID: <DKJKLIEBHMJEBA@shared1-mail.whoohere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
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All,

Thanks for the great replies! The results of the "SW+ or SST?" poll were as follows:

DSW: 4 votes
SW+: 3 votes
SST: 2 votes

No one had anything bad to say about any of the above rigs. In fact, several commented that BOTH were excellent choices. But most preferred the SW+ or the digital version DSW because of the extra features in what is still a quite low-current-drain radio.

It sounds like you couldn't go wrong with any of these choices. It looks like the DSW for 30 may end up being my pick but the band is still up in the air.

Thanks for the advice,
Joel NF9K

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<http://www.eudoramail.com>

Date: Sun, 4 Jul 1999 17:45:28 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@lehigh.edu>

Subject: [44262] 706 Tune Control?
Message-ID: <Pine.3.89.9907041705.A3891-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Has anyone on the list purchased this little gem from "The BetterRF Co."?
I'm interested in impressions of it and whether it's worth the price -
seems pretty high to me.

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Sun, 04 Jul 1999 16:59:01 -0500
From: George Huston <hudog@sparc.isl.net>
To: qrp-L@Lehigh.EDU
Subject: [44263] Help on selecting Battery Testers / Chargers
Message-ID: <377FD925.119B101D@isl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'd appreciate any advice on recommendations for battery testers and
battery chargers. The tester would be used for both non and
re-chargeable batteries. The charger would be used primarily for Nicads,
but possibly NiMh down the road as well.

I'm interested in homebrew, kits, or assembled products and designs.

thanks,

George NOGH

Date: Sun, 04 Jul 1999 15:06:11 -0700

From: Russ Dow <n7dw@garlic.com>
To: sjolin@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [44264] Re: Wamt Ten Meter Wire Antenna Suggestions
Message-ID: <377FDAD2.81E1815E@garlic.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Dave,

Have you considered an Extended Double Zepp? ARRL 1996 Handbook (P. 20.12) gives specs for all HF bands from 10m thru 80m. For 10m, the flat-top section consists of a dipole 44' 4" long, center fed with a 4' 9" matching section of 450 ohm ladder line. Attach a 1:1 balun at the bottom of the ladder line. You should then be able to feed it with any length of 50 ohm co-ax. It should yield about 2 to 3dB gain broadside to the antenna, plus some radiation along the minor diagonal lobes. On 10 meters, a height of 25 feet should work pretty well.

72,

Russ N7DW

Dave Sjolin wrote:

> I currently use an R5 vertical for working dx on ten meters. While it
> does have a low angle of radiation which favors long haul dx, it tends
> to pick up a lot of noise and the suburban neighborhood is very noisy.
>
> A number of times, I have had to resort to switching to another antenna
> on receive in order to work some of the rarer dxpeditions that I couldnt
> hear on the R5 but were perfectly q5 on a Butternut HF2V (80/40 meter
> vertical antenna).
>
> Many times I have heard others say that a good horizontal wire up in the
> air will beat out most verticals (especially the ground mounted types)
> most of the time. Well I havent had a horizontal antenna since the 60's
> and my memory isnt so good. :-)
>
> Well I cant put up a beam so what should I shot for? A delta loop, half
> square, California Windom? Slopers? I have a few trees for support but
> they are not all that high. Maybe could get wire up 25 feet. Im leaning
> towards the loop or slopers. Any suggestions?
>
> Thanks amd 73

> de Dave, N0IT

Date: Sun, 4 Jul 1999 17:19:22 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: <sjolin@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [44265] Re: Wamt Ten Meter Wire Antenna Suggestions
Message-ID: <002001bec66b\$45a082a0\$d137a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I agree with Stan.

Ten meters used to be my favorite band of operation in the late 70's and early 80's and I found while comparing antennas in real time that a good horizontal dipole would outperform any vertical I could put up on long haul DX. Granted, the heights were always on the order of 20 feet and this philosophy doesn't always hold up on others bands. This goes against traditional thinking being as 10m should require the lowest angle of radiation of all bands. I suspect a lot of the low angle radiation is absorbed much more by the local terrain with a vertical antenna on 10m (pseudo Brewster angle?). This may have been a result of the black, combo soil of Houston where I lived at the time. I've had friends the lived in the desert of Odessa, TX who had very good results with verticals on 10m. I guess as they say "your mileage may vary".

Just string you up a good ole dipole between the trees and you'll be happy. Given the shorter antenna length as compared the lower bands (coax diameter to antenna length ratio is greater) I would recommend a balun or at least the coiling up of several turns of the feedline near the antenna. The latter has always worked fine for me giving me an antenna with a textbook radiation pattern. The nulls at the ends of a balun feed dipole are very noticeable on 10m even at 20ft so pick your orientation carefully or make it rotatable.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

Date: Sun, 4 Jul 1999 15:23:00 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [44266] Hey, it was a QSO, weren't it?
Message-ID: <19990704.153406.19894.1.nilsbull@juno.com>

Gang,

Cindy & her family had a 4th of Julio cook out at her brother Don's digs in Xenia. She left early, while I was tearing the place apart trying to find a very small tube of heat sink putty that I had somewhere and probably won't find again, even if I did put it someplace logical after I finally found it. So I come straggling in over at Don's about 12:59 & plunk myself down on the patio.

Don's got two grills going, one with three drunken chickens in it & the other with some corn roastie-toastin'. I sit around for a while, drink plenty of agua ('cause it's like maybe 104 degree F heat index, even in the back yard under the trees &c) and then go out to the car & get the traveling radio box.

There's Walter's telescoping pole from Germany, some coat hanger tent pegs for three-point tie down if needed, wire, wire, rope & some more wire. And the aluminum briefcase bomb of radios. So I set up on the patio table while the rest of the family comes over, wondering what the hell it is that makes me so weird.

While the chicken's staggered to their doom, I had a QSO with southeast Ohio. K8KWH, Kent, if memory serves (the paper's in the bag). He was runnin' 100 W with a Kenwood 900-series rig & me on the K2 with 50 ft of wire hanging from the 33 ft pole & in the trees. And a ground wire crocillator clipped to the chain link fence. He was 599, as you'd expect. And I was 599, as I would have expected, at 5 watts into all that wire.

I guess that proves that the traveling radio box is ready for a trip to the beach next weekend.

And sure, it was only from Xenia, OH to Newport, OH, but it was a QSO, man!

Yeeehah!

73

Nils

. . . and if I can remember before we take off, I'm gonna be sittin'

beach side with the vodka, the family & the radio watchin' the surf & scenery by next weekend, so y'all listen up fer me, y'heah? (Did anyone notice the order of priorities there?)

Nils R. Bull Young :: La Estancia de los Guajolotes Sonrientes
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com
"In my day we had to FIGHT to have email! Every day was a struggle!"
-- Comrade Sergei Nikolaievich

McTovarishov

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Date: Sun, 4 Jul 1999 17:30:28 -0500
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [44267] Arrrrrh -- fried Freq mite need help --long
Message-ID: <001701bec66c\$d37e7400\$605e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I had the Freq-Mite working and as I was in the process of installing it into the obligatory Altoids tin this morning... You guessed it, I got too confident and made a power on check before I really should have. I saw a spark and then it no longer worked.

I have replaced both 2n4401 transistors to no effect. This leads me checking the 5.1 volt Zener. The instructions that came with it do not give expected voltages, but I have 13.8 before the diode and .3 after it and at several places around the little circuit board.

I got out the instructions for my dmm and then tried to follow the strange English. I desoldered one end of the diode from the board. I set the meter dial for the diode symbol and checked it and got .004 then reversed leads and also got .004.

Can one of the more experienced troubleshooters tell me, did I fry the Zener with that spark?

I don't have any 5.1 volt Zeners, just some 12 volt ones or I would just substitute and be done with it. As it is I will have to order some 5.1 volt Zeners and wait.

On the good news side of things...I finally had a one watt QSO with a station about 500 miles away. This was with my SW40+ w/rit mod from my van

using a Hustler 40m whip and Tick-3 keyer. I've been trying to hook-up with someone (indeed, anyone) since before Field Day and was about to go QRO when my patience finally paid off.

In fact I had my little amplifier in line, but bypassed as I was calling and got the desired response.

My wife built me a large Field Day box with an interior shelf and folding legs (She is really handy that way), but Field day was a flop as I dropped the box upon arrival at the park. Did I mention the shear weight and awkwardness possible with her construction techniques? The sturdy box survived, but after I got my antenna up and every hooked up to the Gel-Cell, I found that I had no output due to a bad joint? I had to go back home and problem solve that out and by the time I got everything solid, I was too disgusted with myself to go back out and try it again that day.

So, it has been one step backward and one step forward and one more step backward from my qth...

But, anyhow I would appreciate it if someone more knowledgeable would clue me in on how a bad Zener acts, the ARRL books I have never quite say what a bad Zener does, or it says it in terms I can't grasp.

73,

Terry, KA9TXE East Central Illinois

"A word after a word after a word is power." M. Atwood from "True Stories"

Date: Sun, 4 Jul 1999 17:46:31 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [44268] Re: Disaster Strikes!
Message-ID: <002b01bec66f\$10579f80\$d137a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike,

I've sorry to hear about your disaster!

Just a word of warning to others who may use batteries for their rig's power. Be sure to fuse all of the leads right at the battery. I nearly had

my house burn down once too and it would have if I hadn't been there when it happened. I used a small power supply to keep a marine deep cycle battery topped off. One day the power supply's crowbar protection circuit failed without warning (the SCR had shorted out permanently) which of cause shorted out the battery. Most batteries have a very low internal resistance which give them tremendous current capability for a short period of time. The wires between the battery and the power supply actually became incandescent! The entire room filled with smoke and I was yanking wires left and right until the glow-in-the-dark wires went out.

Luckily, nothing was permanently damaged except my pride for being so stupid. All of my equipment was properly fused at the battery but I hadn't fused the wires going to the charging source. I had no excuse for not doing this.

Nowadays, I use a gell-cell battery that is enclosed in a portable metal enclosure that is fuse protected and well metered. I keep it trickle charged with a 2W solar panel. I got rid of the deep-cycle battery. It was overkill for what I needed anyway.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://home.swbell.net/aa5tb>

End of QRP-L Digest 1508

